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CLMPTO 0417/04 JW

Cancel Claims 1, and 13.

Amended Claims 2,4,9-12,14,17 and 22-31

- [. (Curreled)
- (Currently cancaded) The mothod of claim 29[[1]] further comprising: transmitting each of the finance to a remote receiver, and de-interiorating the symbols at the remote receiver.
- (Original) The method of claim 2 wherein destribed a vince the provious series of frames.
- (Currently amended) The method of claim 22[[1]] wherein interleaving further comprises
 interleaving using a productoroised number of symbols.
- (Original) The method of claim 4 wherein the predetermined mumber of symbols to be interleaved are enlected according to a predetermined apreading computation.
- (Previously Presented) A method for transmitting A/V data algorits to a wholese astwork comprising:
 - receiving a scream of A/V data rignals, cach of the data signals corresponding to a particular symbol;

arranging the symbols in a series of frames; and interfeaving the symbols in one of the frames with symbols in an adjacent one of frames in the series of frames using a predstarmined number of symbols selected according to a dynamic computation.

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 (Original) The method of claim 6 wherein the predstarmined number of symbols varies as a result of link transmission characteristics.

- 8. (Original) The method of claim 7 wherein the link transmission characteristics are selected from the group constelling of protocol type, bit error rate (BBR), signal-to-more ratio (BNR), fluming mericer, and sampling rate.
- (Currently amended) The method of claim 29[[1]] wherein the receiving the streaming data signals further comprises receiving signals output from a vocader.
- (Currently sensoded) The method of claim 22((1)) wherein the streaming data eigenfa are
 selected from the group constitute of compressed voice, compressed video, and Voice
 Over IP (VOIP).
- (Currently emerded) The method of older 20[[1]] wherein each of the frames contain a
 predetermined number of symbols.
- (Currently arounded) The method of of size 22[[1]] further comprising recreating portions
 of a frame from the interleaved symbols.
- (3. (Canceled)
- (4. (Connectly amended) The system of claim 31[[13]] further comprising a de-interleaver at a nameta receiver and operable to desinterleave the frames.
- (5. (Original) The system of claim 14 wherein the de-interleaver is operable to restore the previous series of frames.
- 16. (Original) The system of older 14 wherein the de-interleaver is further operable to recreate portions of a frame from the interleaved symbols.

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- (Currently amended) The system of olding 21 [[13]] wherein the symbol interfeaver is further operable to interfeave using a predetermined autoritor of symbols.
- 18. (Original) The system of ciaim 17 wherein the symbol interference is further operation to salect the production aumber of symbols according to a production has apreading comparisation.
- [9] (Previously Presented) A system for transmitting APV data eigenle in a wireless network apprenting:
 - a stream of A/V data signals, each of the data signals corresponding to a porticular symbol;
 - a frame generator operable to interies we symbols into a series of frames; and a symbol interies or operable to interies we symbols from one of the series of frames with symbols from an adjacent extes of frames using a produkamined number of symbols miseched according to a dynamic computation.
- (Original) The system of claim 19 wherein the predetermined number of systhole varies
 as a result of link transmission characteristics.
- (Original) The system of claim 20 with seein the link transmission characteristics are selected from the group consisting of protocol type, but error rate (BBR), signal -to-noise ratio (SNR), framing market, and sampling rate.
- (Currently smeaded) The system of claim 11[[13]] wherein the streaming data signals
 further comprise receiving signals output from a vocotor.

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(Currently amended) The system of oldin <u>31(13)</u>] wherein the symbol interfaces is
fixther operable to interleave streaming data signals suiteded from the group consisting of
compressed voice, compressed video, and Voice Over IP (VOIP).

- (Currently amended) The system of claim MI[[33]] wherein each of the frames contain a
 predetermined number of symbols.
- 25. (Convertly amended) A computer program product having computer program code for transmitting streaming data signals in a wireless notwork comparising:

computer program code for receiving attenting date signals, each of the data signals corresponding to a particular synthol;

computer program code for arranging the symbols in a series of flames; computer program code for interleaving the symbols in one of the frames with symbols in an edjacent one of the frames in the series of flames, each frame beving a parabol believed with the frame. The british indication a symbol position that is to be interleaved:

computer program code for transmitting each of the frames to a remote receiver, and

computer program node for de-interiorring the symbols at the remote receiver.

26. (Chreently amended) A computer data signal for transmitting streaming data signals in a wireless network computatog:

program code for receiving streaming data rignels, each of the data signals corresponding to a particular symbol;

program code for arranging the symbols in a series of fitness;

program code for interleaving the symbols in one of the frames with symbols in an adjacent one of frames in the series of frames, each frame baving a monotoine bittened atoms with the frame, the bitmen indicating a symbol position that is to be interleaved;

program code for transmitting each of the frames to a seconda secondary, and

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program code for de-interferving the symbols at the remote receiver.

 (Currently amended) A system for transmitting streaming data algorithm a wireless natwork comprising:

means for receiving a smeaming date signals, each of the tata signals corresponding to a particular symbol;

means for amonging the symbols in a series of frames;

means for interfeaving the symbols in one of the frames with symbols in an adjacent one of frames is the earlies of frames, <u>each frame having a respective bitmen</u> majoral with the frame. The bitmen indicating a symbol position that is to be interfeaved;

means for transmitting each of the frames to a remark receiver, and means for do-interleaving the symbols of the compte coolwar.

- (Correctly assended) The method of claim 29[[1]] whereto the streaming data eignals comprise audiovisual (A/V) data eignals.
- 29. (Currently anneaded) The method of olster I wherein the stop of intertenting compiletes

 A method for transpoliting elementing data timels in a wholess network competiting:

modeling streaming data eigneds, each of the data sismale consensations to a particular symbol;

accepting the symbols in a series of frames; and

interleaving the symbols to one of the frames with symbols in an adjacent one of the frames in the series of frames, order much frame having a respective hitmen staned with the frame. The hitmen indication a symbol position that is to be interleaved symbol position may stared within the frame indication as symbol position that is to be interleaved symbol position may stared within the frame itself.

- (Chartently amended) The system of claim \$\(\bmathbb{L}\)[[13]] wherein the streaming data signals
 comprise sudictional (AV) data signals.
- (Currently Amended) The system of cioles 19 further spang-fring A system for transmitting structuring data signals in a wireless artwork competition;

minime a of various elevate stack and the date started and promotes and promotes and surface and surfa

a frame parameter operable to extende the symbols into a series of frames;

a symbol interference operable to interference symbols from one of the series of
frames with symbols from an adjacent nodes of frames; and

each frame having a respective hitmen stored within the frame, the hitmen indication a symbol position that is to be interleaved man stored within the frame itself, wherein the symbol interleaved interleaves the symbols using the respective symbol position such hitmen.

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